Index

(R) indicates Review

Acritarch, 37, 145, 617, 679
The Advanced Very High Resolution Radiometer (AVHRR) (R), 881
Aguirre Urreta, M. B. & Rawson, P. F. The ammonite sequence in the Agrio Formation (Lower Cretaceous), Neuquén Basin, Argentina, 449
Aleksandrowski, P., Kryza, R., Mazur, S. & Żaba, J. Kinematic data on major Variscan strike-slip faults and shear zones in the Polish Sudetes, northeast Bohemian Massif, 727
Alkaline Rocks: Petrology and Mineralogy (R), 410
Alphey, J. R., Harper, E. M. & Palmer, T. J. Evolutionary response by bivalves to changing Phanerozoic sea-water chemistry, 403
Amber, Resinite, and Fossil Resins (R), 420
America, Central (R), 880; North (R), 413; South (R), 121, 137, 880, 881
Ammonite, 261, 449
Ancient Sedimentary Environments and their Sub-Surface Diagnosis, 4th ed. (R), 130
Anderson, H. E., Robinson, P. T. & McCutcheon, S. R. Stratigraphy and eruptive history of the Late Devonian Mount Pleasant Caldera Complex, Canadian Appalachians, 17
Andes (R), 137
Andreis, R. R., Valeriano, C. M., Trouw, R. A. J., Passchier, C. W. & Simões, L. S. A. Mesozoic tectonic evolution of the South Orkney Microcontinent, Scotia Arc, Antarctica, 383
Anglo-Brabant Massif, 607, 855
Antarctica, 335, 383, 507, 745, 781; (R) 140
Antiarch, 813
Applications of 3-D Seismic Data to Exploration and Production (R), 421
Applied Micropalaeontology (R), 129
Ar, 163, 507, 703
Arachnid, 369
Aragonite, 403
Archaeopteridales, 847
Argentina, 449
Arnason, J. G., Bird, D. K., Bernstein, S., Rose, N. M. & Manning, C. E. Petrology and geochemistry of the Kruuse Fjord Gabbro Complex, East Greenland, 67
Asian Coal Prospects to 2010 (R), 122
Atlas of the Textural Patterns of Ore Minerals and Metallogenic Processes (R), 411
Atmosphere (R), 879
Ault, L., Edwards, R. A., Warrington, G., Scrivener, R. C., Jones, N. S. & Haslam, H. W. The Exeter Group, south Devon, England: a contribution to the early post-Variscan stratigraphy of northwest Europe, 177
Australia, 99, 813
Avalonia, 113, 213, 425, 607, 627, 679
Azéma, J., Danelian, T. & De Wever, P. Palaeoceanographic significance of new and revised palaeontological datings for the onset of Vigla Limestone sedimentation in the Ionian Zone of Greece, 869

Bainmedart Coal Measures, 335
Basement Tectonics 11. Europe and Other Regions (R), 410
Basin, 163; (R) 270, 272, 280; analysis (R), 412; evolution (R), 575
Bastida, F., Sarmiento, G. N., Garcia-Lopez, S. & Brime, C. Simultaneous use of thermal indicators to analyse the transition from diagenesis to metamorphism: an example from the Variscan Belt of northwest Spain, 323
Batholith, 539
Before the Backbone. Views on the Origin of the Vertebrates (R), 413
Bernstein, S., Rose, N. M., Manning, C. E., Arnason, J. G. & Bird, D. K. Petrology and geochemistry of the Kruuse Fjord Gabbro Complex, East Greenland, 67
Bhalla, M. S., Mathur, P. D., Pant, C. C., Kotlia, B. S. & Shukla, U. K. Quaternary fluvio-lacustrine deposits of the Lamayuru Basin, Ladakh Himalaya: preliminary multidisciplinary investigations, 807
Bigganjargga tillite, 873, 874
Bilotte, M., Buffetaut, E., Laurent, Y. & Le Loeuff, J. A terminal Cretaceous giant pterosaur from the French Pyrenees, 553
Biomimetic Materials Chemistry (R), 882
Biotic Recovery from Mass Extinction Events (R), 123
Bird, D. K., Bernstein, S., Rose, N. M., Manning, C. E. & Arnason, J. G. Petrology and geochemistry of the Kruuse Fjord Gabbro Complex, East Greenland, 67
Bitumen (R), 741
Bivalve, 403
Bluck, B. J. & Ingham, J. K. The Highland Border controversy: a discussion of "New evidence that the Lower Cambrian Leny Limestone at Callander, Perthshire, belongs to the Dalradian Supergroup, and a reassessment of the 'exotic' status of the Highland Border Complex": Comment, 563
Bock, G., Kind, R., Gregersen, S. & Hanka, W. Seismological evidence for a very sharp Sorgenfrei-Tornquist Zone in southern Sweden, 591
Body Cavities: Function and Phylogeny (R), 132
Bohemian Massif, 703, 717, 727
Bolide impact (R), 877
Bonnot, A., Neige, P. & Marchand, D. Ammonoid morphological signal versus sea-level changes, 261
Bottrell, S. H. & Haggerty, R. The genesis of the Llanrwst and Llanfair veinfields, North Wales: evidence from fluid inclusions and stable isotopes, 249
Bozdoğan, N., Dean, W. T., Martin, F., Monod, O., Günay, Y. & Kozlu, H. Precambrian? and Cambrian stratigraphy of the Penbeğli-Tut inlier, southeastern Turkey, 37
Bozkurt, E., Holdsworth, B. K. & Koçyiğit, A. Implications of Jurassic chert identified in the Tokat Complex, northern Turkey, 91
Brabant Massif, 637
Brandon, A., Field, M. H. & Gibbard, P. L. The first record of *Larix* from the British Pleistocene, 317
Branney, M. J., Piper, J. D. A. & Stephen, J. C. Palaeomagnetism of the Borrowdale and Eycott volcanic groups, English Lake District: primary and secondary magnetization during a single late Ordovician polarity chron, 481
Brime, C., Bastida, F., Sarmiento, G. N. & Garcia-Lopez, S. Simultaneous use of thermal indicators to analyse the

transition from diagenesis to metamorphism: an example from the Variscan Belt of northwest Spain, 323
Buffetaut, E., Laurent, Y., Le Loeuff, J. & Bilotte, M. A terminal Cretaceous giant pterosaur from the French Pyrenees, 553
Buła, Z., Jachowicz, M. & Żaba, J. Principal characteristics of the Upper Silesian Block and Małopolska Block border zone (southern Poland), 669
Butcher, A. R., Taylor, P. D., Pirrie, D., Crame, J. A. & Riding, J. B. Miocene glaciomarine sedimentation in the northern Antarctic Peninsula region: the stratigraphy and sedimentology of the Hobbs Glacier Formation, James Ross Island, 745

C, 1, 249, 763
Cadomian orogeny, 679
Calcite, 403
Caldera, 17
Caledonian orogeny, 637
Callixylon, 847
Calpionellid, 869
Cambrian, 1, 37, 679
Canada, 17, 113, 287, 425
Canary Islands, 523
Cape Meredith Complex, 355
Carbonate rocks, 869; (R), 125
Carboniferous, 369; (R), 125, 412
Carracedo, J. C., Guillou, H. & Day, S. J. Age and geometry of an aborted rift flank collapse: the San Andres fault system, El Hierro, Canary Islands, 523
Carrasco-Núñez, G. Lava flow growth inferred from morphometric parameters: a case study of Citlatlépetl volcano, Mexico, 151
Cathodoluminescence, 549
Cement, siderite, 99
Chemical Fundamentals of Geology, 2nd ed. (R), 416
Chemistry (R), 416
Chert, 91
China, 145, 571, 572, 763; (R) 123
Cladistics (R), 276
Clays (R), 137
Climate (R), 879; change (R), 279, 281
Climate Change 1995. The Science of Climate Change. Contribution of Working Group I to the Second Assessment Report of the Intergovernmental Panel on Climate Change (R), 281
Climatic Variations and Forcing Mechanisms of the Last 2000 Years (R), 279
Coal, 335, 369, 855; (R) 122, 411
Coalbed Methane and Coal Geology (R), 411
Coal Blending for Power Stations (R), 122
Cocks, L. R. M., McKerrow, W. S. & van Staal, C. R. The margins of Avalonia, 627
Collapse structure, 523
Conodont colour alteration index, 323
Conservation (R), 127, 128, 139
Cooper Basin, 99
Coral (R), 576
Corfield, R. I., Stephenson, B., McCarron, J. & Searle, M. Structure of the North Indian continental margin in the Ladakh–Zanskar Himalayas: implications for the timing of obduction of the Spontang ophiolite, India–Asia collision and deformation events in the Himalaya, 297
Cousens, B. L., Keppie, J. D., Dostal, J. & Murphy, J. B. Palaeozoic within-plate volcanic rocks in Nova Scotia (Canada) reinterpreted: isotopic constraints on magmatic source and palaeocontinental reconstructions, 425
Crame, J. A., Riding, J. B., Butcher, A. R., Taylor, P. D. & Pirrie, D. Miocene glaciomarine sedimentation in the northern Antarctic Peninsula region: the stratigraphy and sedimentology of the Hobbs Glacier Formation, James Ross Island, 745
Crater (R), 124, 271, 877
Craters, Cosmos, and Chronicles. A New Theory of Earth (R), 124
Cretaceous, 449, 553; (R) 141, 413
Crommyonia, 55
Crowley, Q. & Feely, M. New perspectives on the order and style of granite emplacement in the Galway Batholith, western Ireland, 539
Crustal structure, 653, 661
Crystallization (R), 133
Crystallography, 2nd ed. (R), 578
Cymerman, Z., Piasecki, M. & Seston, R. Terranes and terrane boundaries in the Sudetes, northeast Bohemian Massif, 717
Czech Republic, 691

Dadlez, R. Seismic profile LT-7 (northwest Poland): geological implications, 653
Dalradian, 199, 563, 565
Danelian, T., De Wever, P. & Azéma, J. Palaeoceanographic significance of new and revised palaeontological datings for the onset of Vigla Limestone sedimentation in the Ionian Zone of Greece, 869
Davis, D., Krogh, T. E., Murphy, J. B. & Keppie, J. D. Regional significance of new U–Pb age data for Neoproterozoic igneous units in Avalonian rocks of northern mainland Nova Scotia, Canada, 113
Day, S. J., Carracedo, J. C. & Guillou, H. Age and geometry of an aborted rift flank collapse: the San Andres fault system, El Hierro, Canary Islands, 523
Dead Sea (R), 140
Dean, W. T., Martin, F., Monod, O., Günay, Y., Kozlu, H. & Bozdoğan, N. Precambrian? and Cambrian stratigraphy of the Penbeğli-Tut inlier, southeastern Turkey, 37
Deformation, 287, 297, 383, 855
The Destruction of Sodom, Gomorrah, and Jericho. Geological, Climatological, and Archaeological Background (R), 140
Devonian, 459, 813, 847; (R) 273
The Devonian Tetrapod Ichthyostega (R), 273
De Vos, W., Van Grootel, G., Verniers, J., Geerkens, B., Laduron, D., Verhaeren, M. & Hertogen, J. Timing of magmatism, foreland basin development, metamorphism and inversion in the Anglo-Brabant fold belt, 607
De Wever, P., Azéma, J. & Danelian, T. Palaeoceanographic significance of new and revised palaeontological datings for the onset of Vigla Limestone sedimentation in the Ionian Zone of Greece, 869
Diagenesis, 323; (R) 877
Diagenetic Models and Their Implementation. Modeling Transport and Reactions in Aquatic Sediments (R), 877
Diamond (R), 140
Diapir, salt (R), 579
Dictionary (R), 142
Dinosaur (R), 131, 877
Discovery Walks in the Yorkshire Dales: The Southern Dales (R), 581
D'Lemos, R. S., Kearsley, A. T., Pembroke, J. W., Watt, G. R. & Wright, P. Complex quartz growth histories in

granite revealed by scanning cathodoluminescence techniques, 549
Dolomite, 763
Dostal, J., Murphy, J. B., Cousens, B. L. & Keppie, J. D. Palaeozoic within-plate volcanic rocks in Nova Scotia (Canada) reinterpreted: isotopic constraints on magmatic source and palaeocontinental reconstructions, 425
Drinnan, A. N. & McLoughlin, S. Fluvial sedimentology and revised stratigraphy of the Triassic Flagstone Bench Formation, northern Prince Charles Mountains, East Antarctica, 781
Drinnan, A. N. & McLoughlin, S. Revised stratigraphy of the Permian Bainmedart Coal Measures, northern Prince Charles Mountains, East Antarctica, 335
Dunlop, J. A. & Horrocks, C. A. Phalangiotarbid arachnids from the Coal Measures of Lancashire, UK, 369
Dyke, 287, 355, 771

Earth Heritage Conservation (R), 127
Earthquake (R), 418, 575
East European Platform, 1
Ecuador (R), 881
Edgar, A. D. & Shaw, C. S. J. Post-entrainment mineral–melt reactions in spinel peridotite xenoliths from Inver, Donegal, Ireland, 771
Education, geoscience (R), 279
Edwards, M. B. Discussion of glacial or non-glacial origin for the Bigganjargga tillite, Finnmark, northern Norway: Comment, 873
Edwards, R. A., Warrington, G., Scrivener, R. C., Jones, N. S., Haslam, H. W. & Ault, L. The Exeter Group, south Devon, England: a contribution to the early post-Variscan stratigraphy of northwest Europe, 177
Electron Microprobe Analysis and Scanning Electron Microscopy in Geology (R), 281
Electron microscopy (R), 281, 882
Emplacement mechanisms, 539, 771
England, 177, 855
England, R. W., Verniers, J., Żelaźniewicz, A. & Pharaoh, T. C. Introduction: geological and geophysical studies in the Trans-European Suture Zone, 585
Essentials of Geology (R), 741
Europe (R), 134, 410
Eustasy, 261
Evolution and Environment in Tropical America (R), 880
The Evolution and Extinction of the Dinosaurs (R), 131
Evolutionary Paleobiology. In Honor of James W. Valentine (R), 580
Evolution of Hydrothermal Ecosystems on Earth (and Mars?) (R), 417
Evolution, biological, 403; (R) 131, 132, 413, 417, 580, 742, 880; tectonic, 669
Experimental petrology (R), 877
Extension, 287, 355
Extinction (R), 123, 131, 280

Falkland Islands, 355
Fatka, O. & Servais, T. Recognition of the Trans-European Suture Zone (TESZ) by the palaeobiogeographical distribution pattern of early to middle Ordovician acritarchs, 617
Fault movement, 727
Fault system, 523
Feely, M. & Crowley, Q. New perspectives on the order and style of granite emplacement in the Galway Batholith, western Ireland, 539
Field Geology of the British Jurassic (R), 271
Field guide (R), 271, 273, 581
A Field Manual for the Amateur Geologist. Tools and Activities for Exploring Our Planet (R), 273
Field, M. H., Gibbard, P. L. & Brandon, A. The first record of *Larix* from the British Pleistocene, 317
Finnmark, 873, 874
Fish, 813
Flagstone Bench Formation, 781
Fluid flow (R), 877
Fluid inclusion, 99, 249
Fluvial deposits, 781, 807; (R) 412
Foraminifera (R), 129
Fore-arc magmatism, 507
Foreland basin, 607; (R) 413
Foundations of Geomagnetism (R), 278
Fractography: Fracture Topography as a Tool in Fracture Mechanics and Stress Analysis (R), 136
Fracture, 287; (R) 136
France, 261, 553
Friend, P. F., Harland, W. B., Rogers, D. A., Snape, I. & Thornley, R. S. W. Late Silurian and Early Devonian stratigraphy and probable strike-slip tectonics in northwestern Spitsbergen, 459
Functional Morphology in Vertebrate Paleontology (R), 274

Gabbro, 67
Galtier, J., Meyer-Berthaud, B. & Wendt, J. First record of a large *Callixylon* trunk from the late Devonian of Gondwana, 847
Galway Batholith, 539
Garcia-Lopez, S., Brime, C., Bastida, F. & Sarmiento, G. N. Simultaneous use of thermal indicators to analyse the transition from diagenesis to metamorphism: an example from the Variscan Belt of northwest Spain, 323
Gayer, R. A., Miliorizos, M. & Rippon, J. H. Variscan structures in the Kent Coalfield, southeast England, and their regional significance, 855
Geerkens, B., Laduron, D., Verhaeren, M., Hertogen, J., De Vos, W., Van Grootel, G. & Verniers, J. Timing of magmatism, foreland basin development, metamorphism and inversion in the Anglo-Brabant fold belt, 607
Geochemical Transformations of Sedimentary Sulfur (R), 878
Geochemistry, 17, 67, 219, 403, 425, 507, 703; (R) 135, 416, 741, 878; sedimentary, 1
Geological and Landscape Conservation (R), 127
Geological Structures and Maps. A Practical Guide, 2nd ed. (R), 130
Geologic Evolution of the Red Sea (R), 416
Geology, general (R), 415, 741
Geology in South-West Scotland. An Excursion Guide (R), 581
The Geology of Earthquakes (R), 575
The Geology of Fluvial Deposits. Sedimentary Facies, Basin Analysis, and Petroleum Geology (R), 412
Geology of Fortrose and eastern Inverness district. Memoir for 1:50 000 Geological Sheet 84W (Scotland) (R), 581
The Geology of Switzerland. An Introduction to Tectonic Facies (R), 134
The Geology of the Irish Sea (R), 138
Geology on your Doorstep. The Role of Urban Geology in Earth Heritage Conservation (R), 139
Geomagnetism (R), 278

Geophysics (R), 409, 418
Geoscience Education and Training. In Schools and Universities, for Industry and Public Awareness (R), 279
Germany, 637, 691
The GIA Diamond Dictionary CD-ROM (R), 140
Gibbard, P. L., Brandon, A. & Field, M. H. The first record of *Larix* from the British Pleistocene, 317
Giese, U., Katzung, G., Walter, R. & Weber, J. The Caledonian deformation of the Brabant Massif and the Early Palaeozoic in northeast Germany: compared, 637
Glacial environments (R), 576; sediments, 745, 873, 874
Global Continental Palaeohydrology (R), 275
Global Events and Event Stratigraphy in the Phanerozoic (R), 280
Global Tectonics, 2nd ed. (R), 418
Goldring, R., Pollard, J. E. & Taylor, A. M. Naming trace fossils, 265
Graben, 163
Granite, 539, 549; (R) 578, 877
Gravity anomaly, 597, 661
Greece, 55, 869
Greenland, 67
Gregersen, S., Hanka, W., Bock, G. & Kind, R. Seismological evidence for a very sharp Sorgenfrei-Tornquist Zone in southern Sweden, 591
Groundwater (R), 415
Guillou, H., Day, S. J. & Carracedo, J. C. Age and geometry of an aborted rift flank collapse: the San Andres fault system, El Hierro, Canary Islands, 523
Günay, Y., Kozlu, H., Bozdoğan, N., Dean, W. T., Martin, F. & Monod, O. Precambrian? and Cambrian stratigraphy of the Penbeğli-Tut inlier, southeastern Turkey, 37

Haggerty, R. & Bottrell, S. H. The genesis of the Llanrwst and Llanfair veinfields, North Wales: evidence from fluid inclusions and stable isotopes, 249
Hanka, W., Bock, G., Kind, R. & Gregersen, S. Seismological evidence for a very sharp Sorgenfrei-Tornquist Zone in southern Sweden, 591
Harland, W. B., Rogers, D. A., Snape, I., Thornley, R. S. W. & Friend, P. F. Late Silurian and Early Devonian stratigraphy and probable strike-slip tectonics in northwestern Spitsbergen, 459
Harper, E. M., Palmer, T. J. & Alphey, J. R. Evolutionary response by bivalves to changing Phanerozoic sea-water chemistry, 403
Haslam, H. W., Ault, L., Edwards, R. A., Warrington, G., Scrivener, R. C. & Jones, N. S. The Exeter Group, south Devon, England: a contribution to the early post-Variscan stratigraphy of northwest Europe, 177
Hatzipanagiotou, K. & Pe-Piper, G. The Pliocene volcanic rocks of Crommyonia, western Greece and their implications for the early evolution of the South Aegean arc, 55
Hertogen, J., De Vos, W., Van Grootel, G., Verniers, J., Geerkens, B., Laduron, D. & Verhaeren, M. Timing of magmatism, foreland basin development, metamorphism and inversion in the Anglo-Brabant fold belt, 607
Highland Border Complex, 563, 565
Himalaya, 297, 807
Historical Perspective of Early Twentieth Century Carboniferous Paleobotany in North America (R), 125
History of geology (R), 125, 419
Hobbs Glacier Formation, 745
Holdsworth, B. K., Koçyiğit, A. & Bozkurt, E. Implications of Jurassic chert identified in the Tokat Complex, northern Turkey, 91
Horrocks, C. A. & Dunlop, J. A. Phalangiotarbid arachnids from the Coal Measures of Lancashire, UK, 369
The Hot Springs Mammoth Site. A Decade of Field and Laboratory Research in Paleontology, Geology, and Paleoecology (R), 272
Hydrothermal ecosystems (R), 417

Iapetus Ocean, 213
Ichnology, 265; (R) 414
Ichthyostega (R), 273
Igneous rocks, 17, 55, 67, 113, 151, 287, 355, 425, 481, 539; (R) 578, 877; petrology (R), 138
Illite crystallinity, 323
Impact crater (R), 271, 877; events (R), 124
Impact Cratering. A Geologic Process (R), 271
India, 298
Indonesian Coal Prospects to 2010 (R), 122
Ingham, J. K. & Bluck, B. J. The Highland Border controversy: a discussion of "New evidence that the Lower Cambrian Leny Limestone at Callander, Perthshire, belongs to the Dalradian Supergroup, and a reassessment of the 'exotic' status of the Highland Border Complex": Comment, 563
Introduction to Remote Sensing, 2nd ed. (R), 880
An Introduction to the Geological Conservation Review (R), 128
Intrusion, 67, 113, 287, 355, 539, 771; (R) 578, 579
Inversion, 607
Invertebrate palaeontology (R), 277
The Iona Marble Quarry, 2nd ed. (R), 136
Ireland, 199, 213, 539, 771; (R) 272, 419, 741
Irish Sea (R), 138
Island arc, 55
Isotope, Ar, 163, 507, 703; C, 1, 249, 763; K, 163, 507; Nd, 55, 425, 571, 572; O, 249; Pb, 113, 425, 507; Rb, 507; S, 249; Sm, 571, 572; Sr, 507; U, 113, 425, 507
Israel (R), 140

Jachowicz, M., Żaba, J. & Buła, Z. Principal characteristics of the Upper Silesian Block and Małopolska Block border zone (southern Poland), 669
Jahn, B. Discussion on Sm–Nd isotopic age of Precambrian–Cambrian boundary in China: Comment, 571
Jensen, P. A. & Wulff-Pedersen, E. Discussion of glacial or non-glacial origin for the Bigganjargga tillite, Finnmark, northern Norway: Reply, 874
Johanson, Z. New *Remigolepis* (Placodermi; Antiarchi) from Canowindra, New South Wales, Australia, 813
Johnston, J. D. Localization of mid-crustal ramps by metadolerite sheets in the Dalradian of northwest Ireland, 199
Jones, N. S., Haslam, H. W., Ault, L., Edwards, R. A., Warrington, G. & Scrivener, R. C. The Exeter Group, south Devon, England: a contribution to the early post-Variscan stratigraphy of northwest Europe, 177
Jurassic, 91, 235, 261; (R) 271

K, 163, 507
Karst in China. Its Geomorphology and Environment (R), 123
Katzung, G., Walter, R., Weber, J. & Giese, U. The Caledonian deformation of the Brabant Massif and the Early Palaeozoic in northeast Germany: compared, 637

Kearsley, A. T., Pembroke, J. W., Watt, G. R., Wright, P. & D'Lemos, R. S. Complex quartz growth histories in granite revealed by scanning cathodoluminescence techniques, 549
Keppie, J. D., Davis, D., Krogh, T. E. & Murphy, J. B. Regional significance of new U–Pb age data for Neoproterozoic igneous units in Avalonian rocks of northern mainland Nova Scotia, Canada, 113
Keppie, J. D., Dostal, J., Murphy, J. B. & Cousens, B. L. Palaeozoic within-plate volcanic rocks in Nova Scotia (Canada) reinterpreted: isotopic constraints on magmatic source and palaeocontinental reconstructions, 425
Kind, R., Gregersen, S., Hanka, W. & Bock, G. Seismological evidence for a very sharp Sorgenfrei-Tornquist Zone in southern Sweden, 591
Klemens, W. P. & Schwerdtner, W. M. Emplacement and deformation of granite pegmatite dykes in a mid-crustal regime of late-orogenic extension, southwest Grenville Province, Ontario, Canada, 287
Koçyiğit, A., Bozkurt, E. & Holdsworth, B. K. Implications of Jurassic chert identified in the Tokat Complex, northern Turkey, 91
Kotlia, B. S., Shukla, U. K., Bhalla, M. S., Mathur, P. D. & Pant, C. C. Quaternary fluvio-lacustrine deposits of the Lamayuru Basin, Ladakh Himalaya: preliminary multidisciplinary investigations, 807
Kozlu, H., Bozdoğan, N., Dean, W. T., Martin, F., Monod, O. & Günay, Y. Precambrian? and Cambrian stratigraphy of the Penbeğli-Tut inlier, southeastern Turkey, 37
Krogh, T. E., Murphy, J. B., Keppie, J. D. & Davis, D. Regional significance of new U–Pb age data for Neoproterozoic igneous units in Avalonian rocks of northern mainland Nova Scotia, Canada, 113
Królikowski, C. & Petecki, Z. Crustal structure at the Trans-European Suture Zone in northwest Poland based on gravity data, 661
Kruuse Fjord Gabbro Complex, 67
Kryza, R., Mazur, S., Żaba, J. & Aleksandrowski, P. Kinematic data on major Variscan strike-slip faults and shear zones in the Polish Sudetes, northeast Bohemian Massif, 727

Lacustrine deposits, 807
Ladakh, 297, 807
Laduron, D., Verhaeren, M., Hertogen, J., De Vos, W., Van Grootel, G., Verniers, J. & Geerkens, B. Timing of magmatism, foreland basin development, metamorphism and inversion in the Anglo-Brabant fold belt, 607
Lake District, 481
Lakes (R), 135
Landslide, 523
Larix, 317
Latur Earthquake (R), 418
Laurent, Y., Le Loeuff, J., Bilotte, M. & Buffetaut, E. A terminal Cretaceous giant pterosaur from the French Pyrenees, 553
Le Bitume à Suse. Collection du Musée du Louvre (R), 741
Le Loeuff, J., Bilotte, M., Buffetaut, E. & Laurent, Y. A terminal Cretaceous giant pterosaur from the French Pyrenees, 553
Leat, P. T., Millar, I. L., Storey, B. C., Vaughan, A. P. M. & Thistlewood, L. Basement geology and Palaeozoic–Mesozoic mafic dykes from the Cape Meredith Complex, Falkland Islands: a record of repeated intracontinental extension, 355
Lemon, N. M., Seggie, R. J. & Rezaee, M. R. Tectonic fingerprints in siderite cement, Tirrawarra Sandstone, southern Cooper Basin, Australia, 99
Lias, 235
Life and Death of Coral Reefs (R), 576
Lower Carboniferous (R), 412
Lower Cretaceous, 449

Ma Yongsheng & Zhong Hua. Carbon isotope stratigraphy of dolomites in the early Proterozoic succession, north China, 763
Magmatism, 607; fore-arc, 507
Maluski, H. & Patočka, F. Geochemistry and ^{40}Ar–^{39}Ar geochronology of the mafic metavolcanic rocks from the Rýchory Mountains complex (west Sudetes, Bohemian Massif): palaeotectonic significance, 703
Mammoth (R), 272
Manning, C. E., Arnason, J. G., Bird, D. K., Bernstein, S. & Rose, N. M. Petrology and geochemistry of the Kruuse Fjord Gabbro Complex, East Greenland, 67
Map (R), 130, 741
Marchand, D., Bonnot, A. & Neige, P. Ammonoid morphological signal versus sea-level changes, 261
Martin, F., Monod, O., Günay, Y., Kozlu, H., Bozdoğan, N. & Dean, W. T. Precambrian? and Cambrian stratigraphy of the Penbeğli-Tut inlier, southeastern Turkey, 37
Mathur, P. D., Pant, C. C., Kotlia, B. S., Shukla, U. K. & Bhalla, M. S. Quaternary fluvio-lacustrine deposits of the Lamayuru Basin, Ladakh Himalaya: preliminary multidisciplinary investigations, 807
Mazur, S., Żaba, J., Aleksandrowski, P. & Kryza, R. Kinematic data on major Variscan strike-slip faults and shear zones in the Polish Sudetes, northeast Bohemian Massif, 727
McCarron, J. J. & Millar, I. L. The age and stratigraphy of fore-arc magmatism on Alexander Island, Antarctica, 507
McCarron, J., Searle, M., Corfield, R. I. & Stephenson, B. Structure of the North Indian continental margin in the Ladakh–Zanskar Himalayas: implications for the timing of obduction of the Spontang ophiolite, India–Asia collision and deformation events in the Himalaya, 297
McConnell, B. & Morris, J. Initiation of Iapetus subduction under Irish Avalonia, 213
McCutcheon, S. R., Anderson, H. E. & Robinson, P. T. Stratigraphy and eruptive history of the Late Devonian Mount Pleasant Caldera Complex, Canadian Appalachians, 17
McKerrow, W. S., van Staal, C. R. & Cocks, L. R. M. The margins of Avalonia, 627
McLoughlin, S. & Drinnan, A. N. Fluvial sedimentology and revised stratigraphy of the Triassic Flagstone Bench Formation, northern Prince Charles Mountains, East Antarctica, 781
McLoughlin, S. & Drinnan, A. N. Revised stratigraphy of the Permian Bainmedart Coal Measures, northern Prince Charles Mountains, East Antarctica, 335
Meguma, 425
Melt, 771
Mesotarbus peteri, 369
Metallogeny (R), 411
The Metamorphic Belts of Ecuador (R), 881
Metamorphic Crystallization (R), 133
Metamorphic petrology (R), 133, 138
Metamorphic rocks, 691, 703; (R) 133, 881
Metamorphism, 219, 323, 607; (R) 133
Metazoa (R), 132, 276
Meteorite impacts (R), 124

Methane (R), 411
Mexico, 151
Meyer-Berthaud, B., Wendt, J. & Galtier, J. First record of a large *Callixylon* trunk from the late Devonian of Gondwana, 847
Microfossils, 145
Micropalaeontology (R), 129
Microscopy, electron (R), 281, 882
Miliorizos, M., Rippon, J. H. & Gayer, R. A. Variscan structures in the Kent Coalfield, southeast England, and their regional significance, 855
Millar, I. L. & McCarron, J. J. The age and stratigraphy of fore-arc magmatism on Alexander Island, Antarctica, 507
Millar, I. L., Storey, B. C., Vaughan, A. P. M., Thistlewood, L. & Leat, P. T. Basement geology and Palaeozoic–Mesozoic mafic dykes from the Cape Meredith Complex, Falkland Islands: a record of repeated intracontinental extension, 355
Mineralization, 249
Mineralogy (R), 137, 277, 410, 411
Minerals of South Africa (R), 277
Miocene, 163, 557, 745
Moczydłowska, M. Proterozoic and Cambrian successions in Upper Silesia: an Avalonian terrane in southern Poland, 679
Moczydłowska, M., Paceśna, J., Strauss, H. & Vidal, G. Carbon isotope geochemistry and palaeontology of Neoproterozoic to early Cambrian siliciclastic successions in the East European Platform, Poland, 1
Modelling (R), 877
Monod, O., Günay, Y., Kozlu, H., Bozdoğan, N., Dean, W. T. & Martin, F. Precambrian? and Cambrian stratigraphy of the Penbeğli-Tut inlier, southeastern Turkey, 37
Moorbath, S. & Turnbull, M. J. M. Discussion on Sm–Nd isotopic age of Precambrian–Cambrian boundary in China: Comment, 571
Morocco, 847
Morphology, 261; (R) 274
Morphometry, 151
Morris, J. & McConnell, B. Initiation of Iapetus subduction under Irish Avalonia, 213
The Mount Pinatubo Eruption. Effects on the Atmosphere and Climate (R), 879
Mount Pleasant Caldera Complex, 17
Multicellular Animals. A New Approach to the Phylogenetic Order in Nature (R), 276
Murphy, J. B., Cousens, B. L., Keppie, J. D. & Dostal, J. Palaeozoic within-plate volcanic rocks in Nova Scotia (Canada) reinterpreted: isotopic constraints on magmatic source and palaeocontinental reconstructions, 425
Murphy, J. B., Keppie, J. D., Davis, D. & Krogh, T. E. Regional significance of new U–Pb age data for Neoproterozoic igneous units in Avalonian rocks of northern mainland Nova Scotia, Canada, 113

Nakayama, K. Unidirectional to bidirectional subtidal sandwaves influenced by gradually decreasing steady flow velocity, 557
Nannofossil, 869
Nathan, S. & Roser, B. P. An evaluation of elemental mobility during metamorphism of a turbidite sequence (Greenland Group, New Zealand), 219
Nd, 55, 425, 571, 572
Neige, P., Marchand, D. & Bonnot, A. Ammonoid morphological signal versus sea-level changes, 261
Neogene (R), 129
Neoproterozoic, 1, 113
The Nervous Systems of Invertebrates: An Evolutionary and Comparative Approach, with a Coda written by T. H. Bullock (R), 132
The New Penguin Dictionary of Geology (R), 142
New Zealand, 219
Nomenclature, fossil, 265
North America (R), 413
North from the Hook. 150 Years of the Geological Survey of Ireland (R), 419
Norway, 873, 874
Nova Scotia, 113

O, 249
Observation of the Earth and Its Environment. Survey of Missions and Sensors, 3rd ed. (R), 269
On the Rocks. Earth Science for Everyone (R), 415
Ophiolite, 297
Ordovician, 481, 617
Ore, 249; minerals (R), 411
Origin and Mineralogy of Clays. Clays and the Environment (R), 137

Paceśna, J., Strauss, H., Vidal, G. & Moczydłowska, M. Carbon isotope geochemistry and palaeontology of Neoproterozoic to early Cambrian siliciclastic successions in the East European Platform, Poland, 1
Pacific Neogene. Environment, Evolution, and Events (R), 129
Palaeobiogeography, 617
Palaeobotany, 317, 847; (R) 125
Palaeoclimate (R), 274, 742
Palaeogeography (R), 274
Palaeohydrology (R), 275
Palaeomagnetic Applications in Hydrocarbon Exploration and Production (R), 121
Palaeomagnetism, 481; (R) 121
Palaeontology, 1; invertebrate (R), 277
Palaeoproterozoic, 145
Paleoclimate and Evolution, with Emphasis on Human Origins (R), 742
Paleogeography, Paleoclimate, and Source Rocks (R), 274
Palmer, T. J., Alphey, J. R. & Harper, E. M. Evolutionary response by bivalves to changing Phanerozoic sea-water chemistry, 403
Palynology, 317
Pant, C. C., Kotlia, B. S., Shukla, U. K., Bhalla, M. S. & Mathur, P. D. Quaternary fluvio-lacustrine deposits of the Lamayuru Basin, Ladakh Himalaya: preliminary multidisciplinary investigations, 807
Passchier, C. W., Simões, L. S. A., Andreis, R. R., Valeriano, C. M. & Trouw, R. A. J. Mesozoic tectonic evolution of the South Orkney Microcontinent, Scotia Arc, Antarctica, 383
Past Glacial Environments. Sediments, Forms and Techniques. Glacial Environments: Volume 2 (R), 576
Patočka, F. & Maluski, H. Geochemistry and ^{40}Ar–^{39}Ar geochronology of the mafic metavolcanic rocks from the Rýchory Mountains complex (west Sudetes, Bohemian Massif): palaeotectonic significance, 703
Pb, 113, 425, 507
Pe-Piper, G. & Hatzipanagiotou, K. The Pliocene volcanic rocks of Crommyonia, western Greece and their implications for the early evolution of the South Aegean arc, 55
Pembroke, J. W., Watt, G. R., Wright, P., D'Lemos, R. S.

& Kearsley, A. T. Complex quartz growth histories in granite revealed by scanning cathodoluminescence techniques, 549
Penbeğli-Tut inlier, 17
Peridotite, 771
Permian and Triassic Rifting in Northwest Europe (R), 280
Permian, 177, 335; (R) 280
Petecki, Z. & Królikowski, C. Crustal structure at the Trans-European Suture Zone in northwest Poland based on gravity data, 661
Petrogenesis and Experimental Petrology of Granitic Rocks (R), 877
Petrography (R), 411
Petroleum and Basin Evolution. Insights from Petroleum Geochemistry, Geology and Basin Modeling (R), 575
Petroleum Basins of South America (R), 121
Petroleum geology (R), 121, 272, 274, 412, 415, 421, 575
The Petroleum Geology of Ireland's Offshore Basins (R), 272
Petrology, 67; (R) 138, 410; experimental (R), 877
Petrology. Igneous, Sedimentary, and Metamorphic, 2nd ed. (R), 138
Phalangiotarbus subovalis, 369
Pharaoh, T. C., England, R. W., Verniers, J. & Żelaźniewicz, A. Introduction: geological and geophysical studies in the Trans-European Suture Zone, 585
Phylogeny (R), 132, 276
Piasecki, M., Seston, R. & Cymerman, Z. Terranes and terrane boundaries in the Sudetes, northeast Bohemian Massif, 717
Piper, J. D. A., Stephen, J. C. & Branney, M. J. Palaeomagnetism of the Borrowdale and Eycott volcanic groups, English Lake District: primary and secondary magnetization during a single late Ordovician polarity chron, 481
Pirrie, D., Crame, J. A., Riding, J. B., Butcher, A. R. & Taylor, P. D. Miocene glaciomarine sedimentation in the northern Antarctic Peninsula region: the stratigraphy and sedimentology of the Hobbs Glacier Formation, James Ross Island, 745
Planetary geology (R), 124, 138, 269, 415
Planetary Landscapes, 2nd ed. (R), 138
Pleistocene, 317; (R) 272, 878
The Pleistocene Boundary and the Beginning of the Quaternary (R), 878
Pliocene, 55
Poland, 1, 653, 661, 669, 679, 691
Pollard, J. E., Taylor, A. M. & Goldring, R. Naming trace fossils, 265
Porosity (R), 125
Pre-Permian Geology of Central and Eastern Europe (R), 134
Precambrian, 37, 571, 572
Precambrian–Cambrian boundary, 571, 572
Prince Charles Mountains, 335
The Principles and Practice of Electron Microscopy, 2nd ed. (R), 882
Proterozoic, 763
Pterosaur, 553

Quartz, 549
Quaternary, 807; (R) 275, 878

Radiolaria, 91, 869
Rawson, P. F. & Aguirre Urreta, M. B. The ammonite sequence in the Agrio Formation (Lower Cretaceous), Neuquén Basin, Argentina, 449
Rb, 507
Recent Advances in Lower Carboniferous Geology (R), 412
Red Sea (R), 416
Reef ecology (R), 576
Regolith, Soils and Landforms (R), 132
Remigolepis walkeri, 813
Remote sensing (R), 269, 880, 881
Resin (R), 420
Rey, J. A Liassic isolated platform controlled by tectonics: South Iberian Margin, southeast Spain, 235
Rezaee, M. R., Lemon, N. M. & Seggie, R. J. Tectonic fingerprints in siderite cement, Tirrawarra Sandstone, southern Cooper Basin, Australia, 99
Rheology of the Earth, 2nd ed. (R), 409
Riding, J. B., Butcher, A. R., Taylor, P. D., Pirrie, D. & Crame, J. A. Miocene glaciomarine sedimentation in the northern Antarctic Peninsula region: the stratigraphy and sedimentology of the Hobbs Glacier Formation, James Ross Island, 745
Rifting (R), 280
Rippon, J. H., Gayer, R. A. & Miliorizos, M. Variscan structures in the Kent Coalfield, southeast England, and their regional significance, 855
Robinson, P. T., McCutcheon, S. R. & Anderson, H. E. Stratigraphy and eruptive history of the Late Devonian Mount Pleasant Caldera Complex, Canadian Appalachians, 17
Rogers, D. A., Snape, I., Thornley, R. S. W., Friend, P. F. & Harland, W. B. Late Silurian and Early Devonian stratigraphy and probable strike-slip tectonics in northwestern Spitsbergen, 459
Rose, N. M., Manning, C. E., Arnason, J. G., Bird, D. K. & Bernstein, S. Petrology and geochemistry of the Kruuse Fjord Gabbro Complex, East Greenland, 67
Roser, B. P. & Nathan, S. An evaluation of elemental mobility during metamorphism of a turbidite sequence (Greenland Group, New Zealand), 219
The Ross of Mull Granite Quarries (R), 136
The Ross Orogen of the Transantarctic Mountains (R), 140
Rugen Caledonides, 637
Rýchory Mountains, 703

S, 249
Salt Tectonics (R), 579
Sandwave, 557
Sarmiento, G. N., Garcia-Lopez, S., Brime, C. & Bastida, F. Simultaneous use of thermal indicators to analyse the transition from diagenesis to metamorphism: an example from the Variscan Belt of northwest Spain, 323
Scanning electron microscopy (R), 281
Schwerdtner, W. M. & Klemens, W. P. Emplacement and deformation of granite pegmatite dykes in a mid-crustal regime of late-orogenic extension, southwest Grenville Province, Ontario, Canada, 287
Scotia arc, 383
Scotland, 563, 565; (R) 136, 581
Scrivener, R. C., Jones, N. S., Haslam, H. W., Ault, L., Edwards, R. A. & Warrington, G. The Exeter Group, south Devon, England: a contribution to the early post-Variscan stratigraphy of northwest Europe, 177
Sea-level change, 261
Sea-water chemistry, 403
Searle, M., Corfield, R. I., Stephenson, B. & McCarron, J.

Structure of the North Indian continental margin in the Ladakh–Zanskar Himalayas: implications for the timing of obduction of the Spontang ophiolite, India–Asia collision and deformation events in the Himalaya, 297
Sedimentary Geology. An Introduction to Sedimentary Rocks and Stratigraphy (R), 270
Sedimentary petrology (R), 138
Sedimentology and Geochemistry of Modern and Ancient Saline Lakes (R), 135
Sedimentology, 235, 669, 745, 807; (R) 130, 135, 270, 412, 413, 415, 576; fluvial, 781; glacial (R), 576; siliclastic, 1
Seggie, R. J., Rezaee, M. R. & Lemon, N. M. Tectonic fingerprints in siderite cement, Tirrawarra Sandstone, southern Cooper Basin, Australia, 99
Seismic data, 3-D (R), 421
Seismic profile, 597, 653
Seismicity (R), 418, 575
Seismology, 591
Sequence stratigraphy, 557; (R), 141, 413, 582
Sequence Stratigraphy (R), 582
Sequence Stratigraphy in Offshore South African Divergent Basins. An Atlas on Exploration for Cretaceous Lowstand Traps by Soekor (Pty) Ltd (R), 141
Sequence Stratigraphy of Foreland Basin Deposits. Outcrop and Subsurface Examples from the Cretaceous of North America (R), 413
Servais, T. & Fatka, O. Recognition of the Trans-European Suture Zone (TESZ) by the palaeobiogeographical distribution pattern of early to middle Ordovician acritarchs, 617
Seston, R., Cymerman, Z. & Piasecki, M. Terranes and terrane boundaries in the Sudetes, northeast Bohemian Massif, 717
Seyitoğlu, G. Late Cenozoic tectono-sedimentary development of the Selendi and Uşak–Güre basins: a contribution to the discussion on the development of east–west and north trending basins in western Turkey, 163
Shaw, C. S. J. & Edgar, A. D. Post-entrainment mineral–melt reactions in spinel peridotite xenoliths from Inver, Donegal, Ireland, 771
Shukla, U. K., Bhalla, M. S., Mathur, P. D., Pant, C. C. & Kotlia, B. S. Quaternary fluvio-lacustrine deposits of the Lamayuru Basin, Ladakh Himalaya: preliminary multidisciplinary investigations, 807
Siderite cement, 99
Silesia, 679
Siliclastic sediments, 1
Silurian, 459
Simões, L. S. A., Andreis, R. R., Valeriano, C. M., Trouw, R. A. J. & Passchier, C. W. Mesozoic tectonic evolution of the South Orkney Microcontinent, Scotia Arc, Antarctica, 383
Sm, 571, 572
Snape, I., Thornley, R. S. W., Friend, P. F., Harland, W. B. & Rogers, D. A. Late Silurian and Early Devonian stratigraphy and probable strike-slip tectonics in northwestern Spitsbergen, 459
Soils (R), 132
South Aegean arc, 55
South Africa (R), 141, 277
South America (R), 121, 137, 880, 881
South Orkney Islands, 383
Spain, 235, 323; (R) 409
Spitsbergen, 459
Spontang ophiolite, 297
Sr, 507
Staal, C. R. van , Cocks, L. R. M. & McKerrow, W. S. The margins of Avalonia, 627
Stephen, J. C., Branney, M. J. & Piper, J. D. A. Palaeomagnetism of the Borrowdale and Eycott volcanic groups, English Lake District: primary and secondary magnetization during a single late Ordovician polarity chron, 481
Stephenson, B., McCarron, J., Searle, M. & Corfield, R. I. Structure of the North Indian continental margin in the Ladakh–Zanskar Himalayas: implications for the timing of obduction of the Spontang ophiolite, India–Asia collision and deformation events in the Himalaya, 297
Storey, B. C., Vaughan, A. P. M., Thistlewood, L., Leat, P. T. & Millar, I. L. Basement geology and Palaeozoic–Mesozoic mafic dykes from the Cape Meredith Complex, Falkland Islands: a record of repeated intracontinental extension, 355
Stratigraphy, 17, 37, 177, 335, 459, 507, 745, 763, 781; (R) 270, 409, 413, 878; bio-, 449, 669, 869
Strauss, H., Vidal, G., Moczydłowska, M. & Pacešna, J. Carbon isotope geochemistry and palaeontology of Neoproterozoic to early Cambrian siliciclastic successions in the East European Platform, Poland, 1
Structural geology, 199
Sudetes Mountains, 691, 703, 717, 727
Sulphur (R), 878
Sun Weiguo & Yang Jiedong. Discussion on Sm–Nd isotopic age of Precambrian–Cambrian boundary in China: Reply, 572
Sweden, 591
Switzerland (R), 134

Tanner, P. W. G. The Highland Border controversy: a discussion of "New evidence that the Lower Cambrian Leny Limestone at Callander, Perthshire, belongs to the Dalradian Supergroup, and a reassessment of the 'exotic' status of the Highland Border Complex": Reply, 565
Taxonomy, 265
Taylor, A. M., Goldring, R. & Pollard, J. E. Naming trace fossils, 265
Taylor, P. D., Pirrie, D., Crame, J. A., Riding, J. B. & Butcher, A. R. Miocene glaciomarine sedimentation in the northern Antarctic Peninsula region: the stratigraphy and sedimentology of the Hobbs Glacier Formation, James Ross Island, 745
Tectonic evolution, 669; history, 99; map (R), 741
Tectonic Map of Britain, Ireland and Adjacent Areas, sheet 1, scale 1:1 500 000 (R), 741
Tectonics of Sedimentary Basins (R), 270
Tectonics of the Southern Central Andes. Structure and Evolution of an Active Continental Margin (R), 137
Tectonics, 163, 213, 235, 287, 297, 383, 607, 717; (R) 137, 270, 410, 418; salt (R), 579; strike-slip, 459
Terrane, 717
Terrigenous Clastic Depositional Systems. Applications to Fossil Fuel and Groundwater Resources, 2nd ed. (R), 415
Tertiary Basins of Spain. The Stratigraphic Record of Crustal Kinematics (R), 409
Tethys Ocean, 91
Tetrapod (R), 273
Third Hutton Symposium. The Origin of Granite and Related Rocks (R), 578

Thistlewood, L., Leat, P. T., Millar, I. L., Storey, B. C. & Vaughan, A. P. M. Basement geology and Palaeozoic–Mesozoic mafic dykes from the Cape Meredith Complex, Falkland Islands: a record of repeated intracontinental extension, 355
Thornley, R. S. W., Friend, P. F., Harland, W. B., Rogers, D. A. & Snape, I. Late Silurian and Early Devonian stratigraphy and probable strike-slip tectonics in northwestern Spitsbergen, 459
Thrust, 199
Thybo, H. Geophysical characteristics of the Tornquist Fan area, northwest Trans-European Suture Zone: indication of late Carboniferous to early Permian dextral transtension, 597
Tillite, 873, 874
Tirrawarra Sandstone, 99
Tokat Complex, 91
Tornquist Fan, 591, 597
Trace fossils, 265; (R) 414
Trace Fossils. Biology, Taphonomy and Applications, 2nd ed. (R), 414
Trans-European Suture Zone, 585, 591, 597, 607, 617, 627, 637, 653, 661, 669, 679, 691, 703, 717, 727
Transantarctic Mountains (R), 140
Transtension, 597
T. rex *and the Crater of Doom* (R), 877
Triassic, 781; (R) 280
Trouw, R. A. J., Passchier, C. W., Simões, L. S. A., Andreis, R. R. & Valeriano, C. M. Mesozoic tectonic evolution of the South Orkney Microcontinent, Scotia Arc, Antarctica, 383
Turbidite, 219
Turkey, 37, 91, 163
Turnbull, M. J. M. & Moorbath, S. Discussion on Sm–Nd isotopic age of Precambrian–Cambrian boundary in China: Comment, 571
Tyrannosaurus rex (R), 877

U, 113, 425, 507
UK, 177, 249, 317, 369, 481, 563, 565, 855; (R) 412, 741
Ultramafic rocks, 67
Unconformities and Porosity in Carbonate Strata (R), 125
Understanding Fossils. An Introduction to Invertebrate Palaeontology (R), 277
Upgrading Coal: the Essential Step for Sustaining Future Markets (R), 122
Urban geology (R), 139, 276
Urban Geoscience (R), 276
Utility Coal Procurement (R), 122
Uttarkashi Earthquake (20th October 1991) (R), 418

Valeriano, C. M., Trouw, R. A. J., Passchier, C. W., Simões, L. S. A. & Andreis, R. R. Mesozoic tectonic evolution of the South Orkney Microcontinent, Scotia Arc, Antarctica, 383
Van Grootel, G., Verniers, J., Geerkens, B., Laduron, D., Verhaeren, M., Hertogen, J. & De Vos, W. Timing of magmatism, foreland basin development, metamorphism and inversion in the Anglo-Brabant fold belt, 607
van Staal, C. R., Cocks, L. R. M. & McKerrow, W. S. The margins of Avalonia, 627
Variscan Belt, 323
Variscan orogeny, 691, 727, 855
Vaughan, A. P. M., Thistlewood, L., Leat, P. T., Millar, I. L. & Storey, B. C. Basement geology and Palaeozoic–Mesozoic mafic dykes from the Cape Meredith Complex, Falkland Islands: a record of repeated intracontinental extension, 355
Verhaeren, M., Hertogen, J., De Vos, W., Van Grootel, G., Verniers, J., Geerkens, B. & Laduron, D. Timing of magmatism, foreland basin development, metamorphism and inversion in the Anglo-Brabant fold belt, 607
Verniers, J., Geerkens, B., Laduron, D., Verhaeren, M., Hertogen, J., De Vos, W. & Van Grootel, G. Timing of magmatism, foreland basin development, metamorphism and inversion in the Anglo-Brabant fold belt, 607
Verniers, J., Żelaźniewicz, A., Pharaoh, T. C. & England, R. W. Introduction: geological and geophysical studies in the Trans-European Suture Zone, 585
Vertebrate, 553, 813; (R) 272, 273, 274, 413, 877
Vidal, G., Moczydłowska, M., Paceśna, J. & Strauss, H. Carbon isotope geochemistry and palaeontology of Neoproterozoic to early Cambrian siliciclastic successions in the East European Platform, Poland, 1
Vigla Limestone, 869
Volcanic rocks, 17, 55, 113, 151, 425, 481
Volcano, 151, 523; (R) 126, 269, 415, 879, 883
Volcanoes of the Solar System (R), 415
Volcanoes of the World, 2nd ed. (R), 126
Volcanoes. Crucibles of Change (R), 883
Volcano Instability on the Earth and Other Planets (R), 269

Wales, 249
Walter, R., Weber, J., Giese, U. & Katzung, G. The Caledonian deformation of the Brabant Massif and the Early Palaeozoic in northeast Germany: compared, 637
Warrington, G., Scrivener, R. C., Jones, N. S., Haslam, H. W., Ault, L. & Edwards, R. A. The Exeter Group, south Devon, England: a contribution to the early post-Variscan stratigraphy of northwest Europe, 177
Watt, G. R., Wright, P., D'Lemos, R. S., Kearsley, A. T. & Pembroke, J. W. Complex quartz growth histories in granite revealed by scanning cathodoluminescence techniques, 549
Weathering (R), 132
Weber, J., Giese, U., Katzung, G. & Walter, R. The Caledonian deformation of the Brabant Massif and the Early Palaeozoic in northeast Germany: compared, 637
Wendt, J., Galtier, J. & Meyer-Berthaud, B. First record of a large *Callixylon* trunk from the late Devonian of Gondwana, 847
Wright, P., D'Lemos, R. S., Kearsley, A. T., Pembroke, J. W. & Watt, G. R. Complex quartz growth histories in granite revealed by scanning cathodoluminescence techniques, 549
Wulff-Pedersen, E. & Edwards, M. B. Discussion of glacial or non-glacial origin for the Bigganjargga tillite, Finnmark, northern Norway: Reply, 874

Xenolith, 771

Yang Jiedong & Sun Weiguo. Discussion on Sm–Nd isotopic age of Precambrian–Cambrian boundary in China: Reply, 572
Yorkshire Dales (R), 581

Żaba, J., Aleksandrowski, P., Kryza, R. & Mazur, S. Kinematic data on major Variscan strike-slip faults and

shear zones in the Polish Sudetes, northeast Bohemian Massif, 727
Żaba, J., Buła, Z. & Jachowicz, M. Principal characteristics of the Upper Silesian Block and Małopolska Block border zone (southern Poland), 669
Zanskar, 297
Żelaźniewicz, A. The Sudetes as a Palaeozoic orogen in central Europe, 691
Żelaźniewicz, A., Pharaoh, T. C., England, R. W. & Verniers, J. Introduction: geological and geophysical studies in the Trans-European Suture Zone, 585
Zhang Zhongying. A new Palaeoproterozoic clastic-facies microbiota from the Changzhougou Formation, Changcheng Group, Jixian, north China, 145
Zhong Hua & Ma Yongsheng. Carbon isotope stratigraphy of dolomites in the early Proterozoic succession, north China, 763